November 27, 1961

Aviation Week

and Space Technology

Piper Preparing All-Plastic Plane For Flight Test

Brequet 1150 Atlantic



Programs Seek Reductions in Jet Minimums





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AEROSPACE CORPORATION



Objective: duplicate the cycle of life so man can sustain himself in space indefinitely

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- · a cube synchronizer which optimally recovers data in
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Feb. 27 Mar. 9-Third Astronic Symposium

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ENDENCE CORPORATION (Contribution spiniss - Nation - to 1990) (CONTRIBUTION)



Reliable snap-action switches

Here is a new concept in ultra-arried aushbytton switches

Within the assembly are two SPOT suitches, relet 7. Available in the same size are a momentary-ection





for control panels

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MICRO SWITCH, FREEPORT, ILLINOIS

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ASK ALPHA

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"Soft" mounting will get your project off the ground more reliably

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Supersonic Transport Progress

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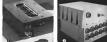
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SPACE COMMAND/GUIDANCE PROBLEMS engineering staff-complete



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WHO'S WHERE

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AVAILABLE WAY and STACK TROPICATION, Nevember 27, 1967.

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GUIDANCE COMPUTER for NASA'S CENTAUR

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Washington Roundup

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due on Dec. 1

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Patent Picture

Military Space Heat

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of the National Security Agency, resigned but week at the government's request Both came to public notice but was after two passes mellocustances at the highly Retaclib' firing was based on Section IX of Defense Department's new "standards

Golovin Windup

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Mrs. Gra. Agenet Schouderz, commender of Arme's Ordenno Minide Command, begin his secret brefing to the Air Force Scientific Advices Board (see above) be -Washington Staff

S-1 Award Puts Chrysler in Space Field Situm proper Chrolic his done a Auto firm wins major competition for Satura booster; up marshes of engineering support

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Soviet Union Claims 100-Megaton Warhead: Emphasizes Anti-Missile

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AVAITION WHEN and STACE TROMOLOGY, November 97, 1943

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'Serious Overstaffing' in Pentagon Slows Decisions, Jackson Charges

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News Digest

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Author: New York Complete Service State

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ANALIGN: Water and SPACE TECHNOLOGY, November 27, 1864.



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AIR TRANSPORT

Fare Issue May Be Used to Push Mergers Airlines believe Board may reject pending requests

for increase to sharpen interest in consolidations. By Robert H. Cook

Washington-Speculation that the Cord Assessment Board intends to Continental Airliner' films for a "no frill coach service (AW Nov. 6. n. 37), wheeled to become effective so Dec. 1, is smooth recorded by the

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FAA Shifts Development Emphasis To Follow Project Beacon Plan

By Philip I. Kline

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SHORTLINES

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Today's total to speed-up in the rectrifung of instrumentation deta—with laps speeds up to 120 orders per bosond—out mans "Sime Down, Traudie Award". Der tipes that cash's cope. On the other hand, "Septions" manua Bizary Day. Tipes live to live desgreealy—set mode for challedging environments where tope speeds use that and getting furies, where insurationess compensation caused by freedom.

startineous temperature council by Inches however tipe and head shore up. Two new "Scottas" Tapes—Heavy Duty Tupes 698 and 699—are apocally designed for application where eachievy tipes note wear out. They fee 35 here. Areas filed tests show that "SCOTCS" makes Heavy Duty Tapes hea 15



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cains be's a helpful gap, a convenient source of supply and information. Contain him for details or write. Magnetic Products Day, 3M Co., St. Paul, Mars. 6 101 100.





North American X-15 Research Program—Part II:

X-15 Contributes to Structures Research

By William S. Reed (Thin in the second of his mind X-11 consists propose. The Jo (AW Nov. 20, p. 32) checaled it contact, the velocity field chin

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"Bob, the computer analysis says we should buy those parts instead of making them"

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Takes and only is now of the generals and the contest.

Investment Program handles. All it stokes is the Program

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is one such computer.

The new Carella Drawstrams Processes another of the

The new Capital Environment Programs is sholder at the manor profilem softeling programs Bilds offices you to help make your dain processing system a more affective and more profitable tool for nanoging your hadrons. Your heal Bild Empressitative can give you complete details on thus, as well as proviously amounted programs,

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AVAILON WIRK and SPACE SECHNOLOGY, Navember 27, 1865



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Bhan, so developer of the BAK-P barriers now being installed with these men ... proud to do its bit in helping make the U.S. Air Force second to none in safety. Now everum berriers week . . . recently published bulletins deeenbe preciple of operation. They're yours for the asking,

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The sortal reducing system on the U S Arr Force KC-155 on tracker delivers find at an extremely high flow-rate-yet must discussed insteady when required intercornel, B.F.Goodeich doorned and harft for Borne a double-walled surge boot to corry feel in the flying boom extension. A nonemonard air curbion between the wills of

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GRUMMAN'S AQ-1 MOHAWK is provided by two Lycomag T-53 gas CECUS renders in the Michael is one of a warrior of "material" field. In addition to controls for application in food-wise arrests. other fightworks, possess CDCO comes control pystems have the field of starll was turbine fast control and mangine centeres.

CHANDLER EVANS CORPORATION - WIC HARTON L CHANDREN





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MANAGEMENT

Future Weapon Choice Problems Analyzed

Br David A. Anderton

(AW Out 9, p. 28).

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ANATION WEEK and SPACE SECONDEDGY, Named at 27, 1961

Afreedy qualified for critical installations, the new Bein Micronics The unit shown here anomounately actual size, weight active ounces including mounting bracket (not shown) and is available for 400 CPS operation of 115 or 28 volts. Pre-set timing cycles ratises, will be furnished on request.

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Titanium construction clinches record of reliability with Mercury capsule!

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SHOCK AND VIBRATION PROBLEMS?

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Major Space Role Seen for Plasma Engine By George Alexander By one on a untilled weepen properly carried in records than 10,000 sec.

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January - National Assurantics and Space Aria historiais a Space Operations Control Contro, North American Air Dalmos Command (North).

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Three techniques are enremity available to meet the challenge of Space Renderwan Geldenonndar, infra-ed and option. Of these techniques, rathe bas been used for boming gridnens systems to the greatest degree. Studies by Raytheon, whose rather experience spaces attree decords, have inducted that continuous sown rather possesses those desirable characteristics:

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The superiors patrol from the tarrish guidance system for the advanced Polaris, compiler with the proven success of the Hurke and Segerous C Whoming systems give Reprises the most extensive power capability applicable to the spine renderwas guidance problem. In addition, Segerous, one of the world's largest scientific-infrastrict capatisations, has proven in addition, because overy phase of a compile application—from early study and design leaves of the spine of the sp

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USAF Life Sciences Shift Is Due Jan. 1

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School of Acceptace Medicine, the Lockland AFB Hountel, 6770th Em-Group at Brooke Luckland AFB Hos-Field Laboratory at Halfornon AFR

Other danger is ALSC or Source Thermoelectric Alloy

Effective at 900C Consumeration also which offers Page 160C and 900C they from

AVAILON WHEE and SPACE TECHNOLOGY, November 27, 1967

FINANCIAL

Raytheon Expects Slower Growth Rate

By James D. Hendricks

Samiconductor Problems Profit problem coverfs plugging





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Harvard Professor Urges Easing Of Government Airline Regulation

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Bendix Improves Autopilot Performance By Philip I. Klass oblic-convextor classic container to · Phase III: deries changes intended

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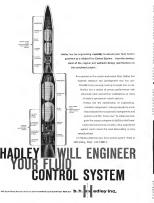
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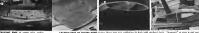
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